CradlePoint Antenna Ordering and Installation Guide

CradlePoint has tested and certified that the following antennas to provide the best mobile broadband performance with CradlePoint embedded and integrated modem products.

Low loss coax cable with the N Male to SMA Male connectors OR an N Male to SMA Male adapter is REQUIRED to attach these antennas to CradlePoint products. The cable and accessories can be purchased at http://www.jefatech.com/category/cradlepoint. Antennas all come with N Female connectors with about 8" of cable. CradlePoint ARC and COR products have SMA Female connectors. See the next page for details.

We recommend the following packages for each product for best results. In most cases a single antenna connected to the main (primary) antenna port will provide sufficient gain. To see "true" 4G speeds on LTE or better performance 2 external antennas may be used. (eg. 2 antennas may provide 15 Mbps throughput and 1 antenna may only provide 8 Mbps throughput).

Products:
COR IBR600E, COR IBR650E, COR IBR600LE, COR IBR600P, COR IBR650P, COR IBR600LP, COR IBR650W, ARC MBR1400E, ARC MBR1400LE, ARC MBR1400W, ARC CBA750E, ARC CBA750LE, ARC CBA750W

			WiMAX	EVDO, HSPA+	LTE/EVDO, LTE/HSPA+
ANTENNA	IMAGE	MSRP	ARC MBR1400W ARC CBA750W COR IBR650W	ARC MBR1400E ARC CBA750E COR IBR600 (E, P) COR IBR650 (E, P)	ARC MBR1400 (LE, LP) ARC CBA750 (LE, LP) COR IBR600 (LE, LP)
Omnidirectional Antenna Part # 170586-000 5.1 dBi gain max		$79.95	N/A	1 or 2	2 (for full 4G speeds)
Directional Patch Part # 170587-000 10.6 dBi gain max		$95.95	1 or 2	1 or 2	2 (for full 4G speeds)
Directional Yagi Part # 170588-000 10.5 dBi gain max		$99.99	1 or 2	1 or 2	2 (for full 4G speeds)

©2012 CradlePoint Technology. All rights reserved. Information subject to change without notice.

cradlepoint.com

Required Parts and Mounting

ANTENNA	**REQUIRED:** Connectors to attach antenna to CradlePoint		Pole/Mast Mount (Pole not included)	OPTIONAL: Wall Mount	SUGGESTED: Cable Clamps	SUGGESTED: Lightning Protection
	Cable **OR**	Adapter				
Omnidirectional Antenna Part # 170586-000	Sold Separate N Male/SMA Male	Sold Separate N Male/SMA Male	Included	Included	Sold Separate	Sold Separate
Directional Patch Part # 170587-000	Sold Separate N Male/SMA Male	Sold Separate N Male/SMA Male	Included	Sold Separate (includes pole to mount to wall)	Sold Separate	Sold Separate
Directional Yagi Part # 170588-000	Sold Separate N Male/SMA Male	Sold Separate N Male/SMA Male	Included	Sold Separate (includes pole to mount to wall)	Sold Separate	Sold Separate

Low loss coax cable with the N Male to SMA Male connectors OR an N Male to SMA Male adapter is REQUIRED to attach to CradlePoint
CradlePoint recommends JefaTech LL400-Flex cable with N Male, SMA Male connectors (Not sold by CradlePoint). CradlePoint has tested and certified 20 and 50 foot cables from JefaTech. http://www.jefatech.com/category/cradlepoint Loss is approximately 6 dB per 100 feet of cable (3 dB per 50 feet, 1 dB per 20 feet). For orders of 500+ units CradlePoint may be able to source cable at competitive prices.

If you don't require a length of cable an **N Male to SMA Male adapter** can be purchased. JefatTech offers one: http://www.jefatech.com/category/cradlepoint. The antennas only come with about 8 inches of cable.

CradlePoint recommends using **cable clamps** or other cable holding mechanism to secure low loss cable against the wall or pole. At least two clamps are recommended on the cable near the CradlePoint router. This construction helps reducing stress on cable/modem connector and increases product reliability. Jefatech provides a ½" cable clamp: http://www.jefatech.com/category/cradlepoint

Typical dimension for this cable clamp is 3/8" for LL400 Flex cable. It's easily available in the market, i.e. GB 3/8" cable clamp at your local hardware outlet. See pictures for details.

Extra care must be taken while attaching the cable to the modem. **Be careful not to over-torque the SMA connector on the modem.** Finger tight is sufficient and the maximum torque spec is **7kgf-cm."**

Lightning Protection is also suggested (ensure you have correct connections) http://www.jefatech.com/category/cradlepoint

cradlepoint

Ninety day limited hardware warranty only available in the US and Canada. Product specifications are subject to change without notice. © 2012 CradlePoint, Inc. All rights reserved. CradlePoint, WiPipe™, and the WiPipe logo are trademarks of CradlePoint, Inc. in the US and other countries. Other trademarks are the property of their respective owners.

Antenna Main and Auxiliary Ports

In most cases a single antenna connected to the main antenna port will provide sufficient gain. To see “full” 4G speeds on LTE or for enhanced performance on any modem, 2 external antennas may be used.

Extra care must be taken while attaching the cable to the modem. **Be careful not to over-torque the SMA connector on the modem.** Finger tight is sufficient and the maximum torque spec is **7kgf-cm.**

Main COR IBR6x0E Aux

Main COR IBR600LE Aux

Main COR IBR650W Aux

Main COR IBR600LP Aux

Main COR IBR6x0P Aux

ARC 3G EVDO Aux Main

Main Aux ARC 4G LTE/EVDO

ARC 4G WiMAX Aux Main

Main Aux ARC 4G LTE/HSPA+

COR IBR600LE/LP–PWD (WiFi & GPS Side)

Active GPS WiFi

cradlepoint

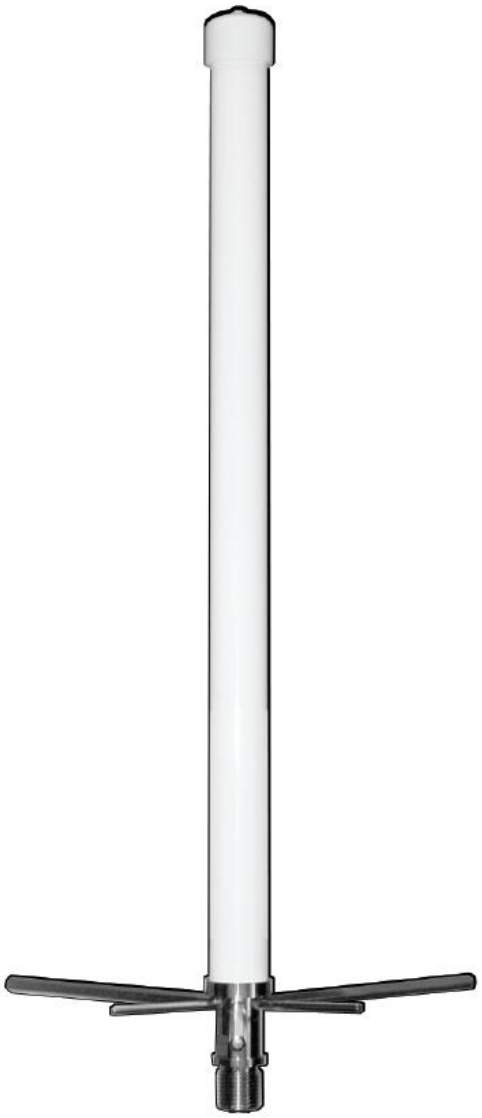
Ninety day limited hardware warranty only available in the US and Canada. Product specifications are subject to change without notice. © 2012 CradlePoint, Inc. All rights reserved. CradlePoint, WiPipe™, and the WiPipe logo are trademarks of CradlePoint, Inc. in the US and other countries. Other trademarks are the property of their respective owners.

CradlePoint Antenna Ordering and Installation Guide

Multi-Band Omni-Directional Antenna

50 ohm
Part # 170586-000

For Products:
COR IBR600E, COR IBR650E, COR IBR600LE, COR IBR600P, COR IBR650P, COR IBR600LP, ARC MBR1400E, ARC MBR1400LE, ARC CBA750E, ARC CBA750LE



Features:

- High-gain
- Weather resistant
- Built-in ground plane
- Slim and unobtrusive
- Mounting bracket included
- Installs Easily
- For fixed installations
- About 8” of cable

cradlepoint.com

©2012 CradlePoint Technology. All rights reserved. Information subject to change without notice.

Multi-Band Omni-Directional Antenna

How It Works

CradlePoint's Dual-Band Omni-Directional Antenna will collect the cell tower signal and send it through the cable to the integrated or embedded CradlePoint modem and router. When the modem transmits, the signal is transferred directly to the antenna and broadcasted back to the cell tower.

Thank you for purchasing a CradlePoint Antenna

Please read all instructions before installing your antenna, and check the parts supplied against those listed in this guide. CradlePoint's weatherproof, fiberglass-encased antenna is omni-directional and ideal for many exterior building locations, such as homes, offices, stores and warehouses.

The innovative design results in high efficiency and low signal loss, which means more signal to your router's modem. This multi-band, high-performance, omni-directional antenna supports multiple frequencies (Specifications below). It is backed by CradlePoint's 30-day money-back guarantee and 1-year limited warranty.

Package Contents

1 – Multi-Band Omni-Directional Antenna
1 – L-Bracket
1 – U-bolt assembly
1 - N Female - FME Male Connector
6 – Radials (3 short, 3 long)
4 – 10x1 Phillips round screws
1 – Thread-locker liquid

Determine Your Mounting Location

The antenna should be mounted high on the building with no obstructions. There is a compromise between installing the antenna as high as possible and keeping the cable run short to reduce signal loss. (The longer your cable, the greater the signal loss will be.) For cable runs of less than 20 feet (recommended), CradlePoint recommends JefaTech LL400 cable with N Male, SMA Male connectors (Not sold by CradlePoint). CradlePoint has tested 20 and 50 foot cables from JefaTech and suggests using this configuration. Using less expensive (often higher loss) cables or using extra adapters with other cables may result in significantly reduced performance.

Make sure your mounting location is as far away as possible from other antennas and upright objects such as flagpoles. Be careful not to kink or crush the antenna cable or bend it tightly during installation. This can lead to poor performance and signal loss. It is important to mount the antenna vertically; mounting horizontally or at an angle will significantly degrade performance.

When two antennas are used, there must be at least 1' (12 inches) separation between edges of two antennas. This spacing will provide enough spatial diversity in outdoor environment for MIMO/diversity operation.

cradlepoint

Ninety day limited hardware warranty only available in the US and Canada. Product specifications are subject to change without notice. © 2012 CradlePoint, Inc. All rights reserved. CradlePoint, WiPipe™, and the WiPipe logo are trademarks of CradlePoint, Inc. in the US and other countries. Other trademarks are the property of their respective owners.

Multi-Band Omni-Directional Antenna

Mount the Antenna

Apply a small amount of thread-locker liquid to the threads on each of the six radials and screw them into the holes at the base of the antenna. Attach the supplied L-bracket to a sturdy vertical surface using four screws. It may also be attached to a pole with the supplied U-bolt assembly (Figure 1). Remove the hex-nut and lock-washer from the base of the antenna, thread the antenna cable through the large hole in the L-bracket, slip the lock washer and hex-nut over the end of the cable and tighten against the underside of the L-bracket to hold the antenna securely (Figure 2).

Warning: Lightning protection is recommended for all installations (Not sold by CradlePoint). JefaTech offers one. http://www.jefatech.com/category/cradlepoint ***.Wilson Electronics offers one compatible with this device: Wilson Part# 859988. Take extreme care to ensure that neither you nor the antenna comes near any electric power lines.***

Figure 1

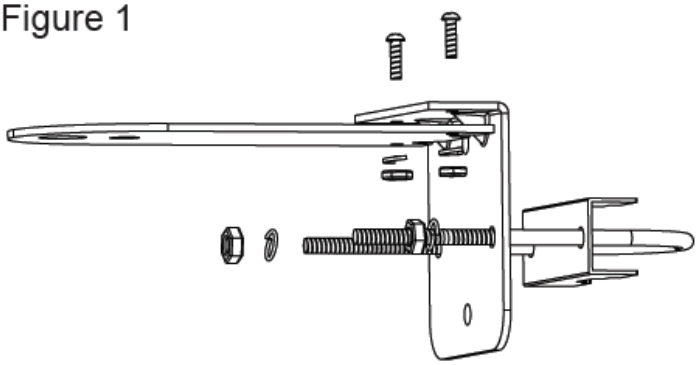
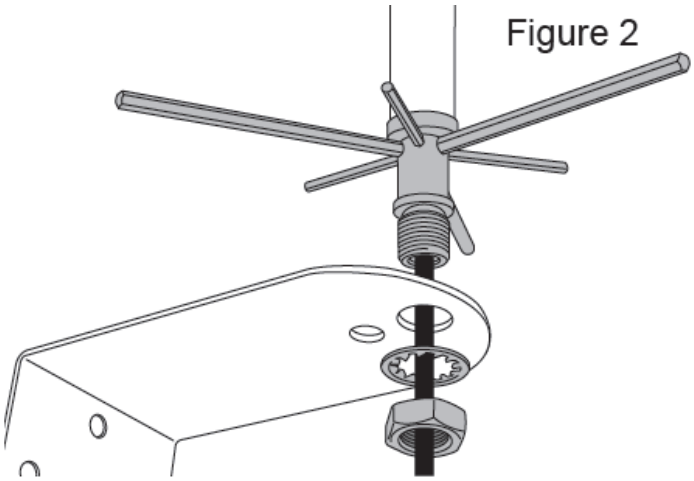


Figure 2



Connect the Cable

Attach the FME male to N female adapter to the antenna cable connector **FINGER TIGHT ONLY**. Connect the coax extension cable (sold separately) to the antenna cable (N male side), route the extension cable to the router location and connect to the modem antenna connectors (SMA male side).

Technical Support

Visit knowledgebase.cradlepoint.com

Disclaimer: The information provided by CradlePoint is believed to be complete and accurate. However, no responsibility is assumed by CradlePoint, Inc. for any business or personal losses arising from its use, or for any infringements of patents or other rights of third parties that may result from its use.

cradlepoint

Ninety day limited hardware warranty only available in the US and Canada. Product specifications are subject to change without notice. © 2012CradlePoint, Inc. All rights reserved. CradlePoint, WiPipe™, and the WiPipe logo are trademarks of CradlePoint, Inc. in the US and other countries. Other trademarks are the property of their respective owners.

Multi-Band Omni-Directional Antenna

30-Day Money-Back Guarantee

All CradlePoint products are protected by CradlePoint's 30-day money-back guarantee. If for any reason the performance of any product is not acceptable, simply return the product directly to the reseller with a dated proof of purchase.

90-Day Warranty

CradlePoint antennas are warranted for ninety (90) days against defects in workmanship and/or materials. Warranty cases may be resolved by returning the product directly to the reseller with a dated proof of purchase.

Antennas may also be returned directly to CradlePoint at the consumer's expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by CradlePoint. CradlePoint shall, at its option, either repair or replace the product. CradlePoint will pay for delivery of the repaired or replaced product back to the original consumer if located within the continental U.S.

This warranty does not apply to any antennas determined by CradlePoint to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

Antenna Specifications

Part Number: 170586-000

Frequency Range: 700-800 MHz / 824-894 MHz / 880-960 MHz / 1850-1990 MHz

Impedance: 50 ohms

Antenna Gain: 3.2 dBi 700-800 MHz / 4.1 dBi 824-894 MHz / 2.7 dBi 880-960 / 5.1 dBi 1850-1990 MHz

Radiation: Omni

Polarization: Vertical

Ground Plane: Built-in

Connector: FME Female (includes FME male to N female adapter)

Material: Whip – stainless steel / Casing – Fiberglass

Height: 18 inches / 45.7 cm

cradlepoint

Ninety day limited hardware warranty only available in the US and Canada. Product specifications are subject to change without notice. © 2012 CradlePoint, Inc. All rights reserved. CradlePoint, WiPipe™, and the WiPipe logo are trademarks of CradlePoint, Inc. in the US and other countries. Other trademarks are the property of their respective owners.

CradlePoint Antenna Ordering and Installation Guide

Outdoor Panel Antenna (Directional Patch)

Part # 170587-000

For Products:
COR IBR600E, COR IBR650E, COR IBR600LE, COR IBR650W, COR IBR600P, COR IBR650P, COR IBR600LP, ARC MBR1400E, ARC MBR1400LE, ARC MBR1400W, ARC CBA750E, ARC CBA750LE, ARC CBA750W

Features:

- High-gain
- Directional
- Pipe mounting hardware included
- Installs easily
- Weather resistant
- Wide bandwidth
- 50 Ohms
- VSWR: 2.0 max
- About 8” of cable

Disclaimer: The information provided by CradlePoint is believed to be complete and accurate. However, no responsibility is assumed by CradlePoint, Inc. for any business or personal losses arising from its use, or for any infringements of patents or other rights of third parties that may result from its use.

©2012 CradlePoint Technology. All rights reserved. Information subject to change without notice.

Outdoor Panel Antenna (Directional Patch)

How It Works

CradlePoint's Outdoor Directional Panel Antenna (Patch) will collect the cell tower signal and send it through the cable to the integrated or embedded CradlePoint modem and router. When the modem transmits, the signal is transferred directly to the antenna and broadcasted back to the cell tower.

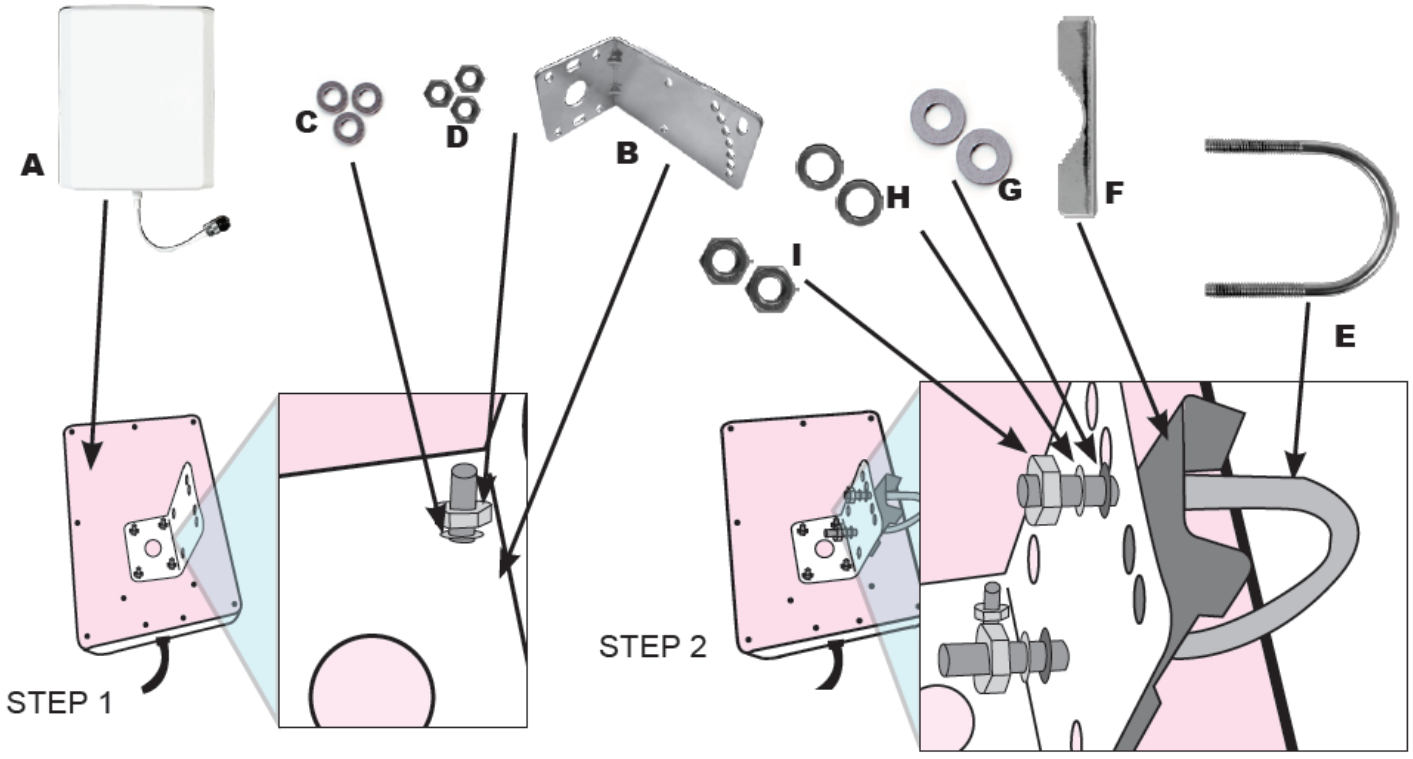
Thank you for purchasing a CradlePoint Antenna

Please read all instructions before installing your antenna, and check the parts supplied against those listed in this guide. CradlePoint's weather resistant, encased antenna is an outdoor directional panel antenna ideal for many exterior building locations, such as homes, offices, stores and warehouses.

The innovative design results in high efficiency and low signal loss, which means more signal to your router's modem. This multi-band, high-performance, directional antenna supports multiple frequencies (Specifications below). It is backed by CradlePoint's 30-day money-back guarantee and 1-year limited warranty.

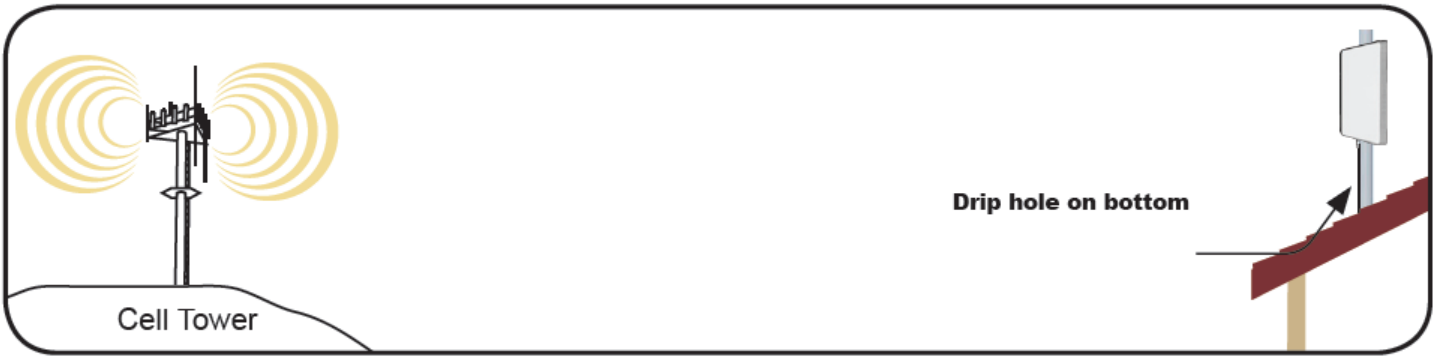
Package Contents

(A) Outdoor Panel Antenna
(B) Pole Mounting Bracket
(C) 3 - Small Washers,
(D) 3 - Bracket nuts
(E) 1 - U-Bolt
(F) 1- Pipe Bracket
(G) 2 – Washers
(H) 2 - 1/4" Split-Lock Washers
(I) 2 - 2 - 1/4"-20 nuts



cradlepoint

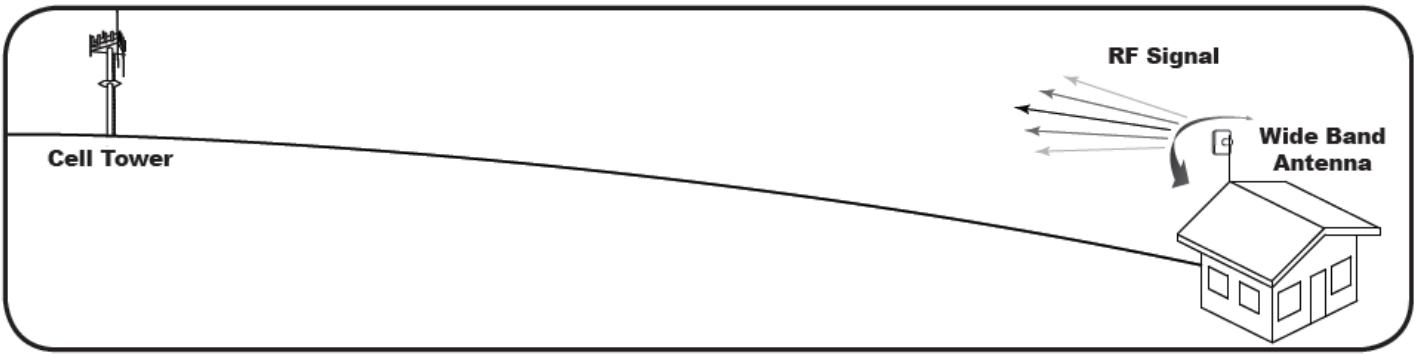
Ninety day limited hardware warranty only available in the US and Canada. Product specifications are subject to change without notice. © 2012 CradlePoint, Inc. All rights reserved. CradlePoint, WiPipe™, and the WiPipe logo are trademarks of CradlePoint, Inc. in the US and other countries. Other trademarks are the property of their respective owners.



Antenna Installation

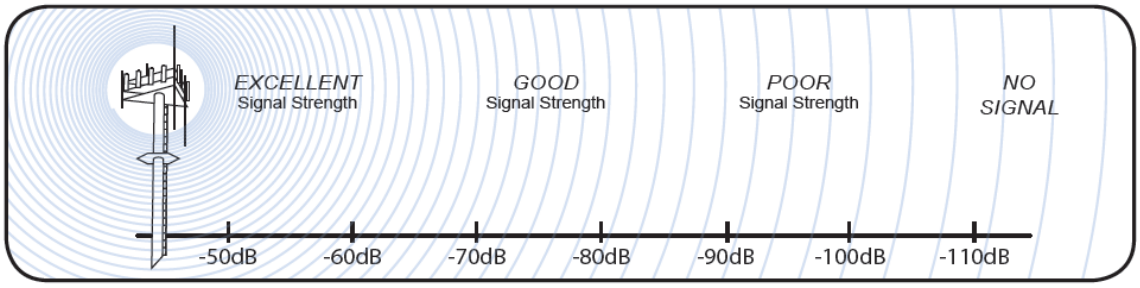
The antenna should be mounted as shown in the illustration above. The included mounting bracket is adjustable and will accommodate pipe diameters from 1.25” to 2” (pipe not included). Mount the antenna so that there is at least 3 feet of clearance in all directions around it. Position the antenna so that it has the most unobstructed line of sight to the cellular service provider’s strongest signal. There is a compromise between installing the antenna as high as possible and keeping the cable run short to reduce signal loss. (The longer your cable, the greater the signal loss will be.) For cable runs of less than 20 feet (recommended), CradlePoint recommends JefaTech LL400 cable with N Male, SMA Male connectors (Not sold by CradlePoint). CradlePoint has tested 20 and 50 foot cables from JefaTech and suggests using this configuration. **FINGER TIGHT ONLY.** Using less expensive (often higher loss) cables or using extra adapters with other cables may result in significantly reduced performance. When two antennas are used, there must be at least 1’ (12 inches) separation between edges of two antennas. This spacing will provide enough spatial diversity in outdoor environment for MIMO/diversity operation. Both antennas should focus the main beam in the same direction of strong cellular signal.

Warning: Lightning protection is recommended for all installations (Not sold by CradlePoint). JefaTech offers one. http://www.jefatech.com/category/cradlepoint . ***Wilson Electronics offers one compatible with this device: Wilson Part# 859988. Take extreme care to ensure that neither you nor the antenna comes near any electric power lines.***



Adjusting the Antenna for Maximum Performance

To adjust the antenna for best performance, connect it to your router and log in to the router (http://192.168.0.1) and access the modem signal strength page. Turn the Antenna in 10-degree increments while checking the signal level (dBi). At each point you may need to wait a few seconds as the display updates. S*ignal readings appear as a negative number (for example, -86). The larger the number, the more powerful the signal (-75 is stronger than -84).* Once you have obtained the strongest signal, fully tighten the mounting hardware. Disconnect the cable and route the extension cable to the router location and reconnect. Weatherproof all connections.



Technical Support

Visit knowledgebase.cradlepoint.com

cradlepoint

Ninety day limited hardware warranty only available in the US and Canada. Product specifications are subject to change without notice. © 2012 CradlePoint, Inc. All rights reserved. CradlePoint, WiPipe™, and the WiPipe logo are trademarks of CradlePoint, Inc. in the US and other countries. Other trademarks are the property of their respective owners.

Outdoor Panel Antenna (Directional Patch)

30-Day Money-Back Guarantee

All CradlePoint products are protected by CradlePoint's 30-day money-back guarantee. If for any reason the performance of any product is not acceptable, simply return the product directly to the reseller with a dated proof of purchase.

90-Day Warranty

CradlePoint antennas are warranted for ninety (90) days against defects in workmanship and/or materials. Warranty cases may be resolved by returning the product directly to the reseller with a dated proof of purchase.

Antennas may also be returned directly to CradlePoint at the consumer's expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by CradlePoint. CradlePoint shall, at its option, either repair or replace the product. CradlePoint will pay for delivery of the repaired or replaced product back to the original consumer if located within the continental U.S.

This warranty does not apply to any antennas determined by CradlePoint to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

Antenna Specifications

Part Number: 170587-000

Frequency Range: 700-800 MHz / 824-894 MHz / 880-960 MHz / 1710-1880 MHz / 1850-1990 MHz / 2110-2170 MHz / 2400-2700 MHz

Nominal Impedance: 50 ohms

Antenna Gain: 5.2 dBi 700-800 MHz / 4.4 dBi 824-894 MHz / 4.2 dBi 880-960 MHz / 10.1 dBi 1710-1880 MHz / 10.6 dBi 1850-1990 MHz / 8.2 dBi 2110-2170 MHz / 8 dBi 2400-2700 MHz

Horizontal Beamwidth: 70 degrees

Vertical Beamwidth: 50 degrees

Polarization: Vertical

Maximum Power: 100 watts

Connector: N-Female (requires cable to connect to CradlePoint router)

Dimension: 210 x 180 x 44 mm

Weight: 600 g

Radome Material: UV Protection ABS

cradlepoint

Ninety day limited hardware warranty only available in the US and Canada. Product specifications are subject to change without notice. © 2012 CradlePoint, Inc. All rights reserved. CradlePoint, WiPipe™, and the WiPipe logo are trademarks of CradlePoint, Inc. in the US and other countries. Other trademarks are the property of their respective owners.

CradlePoint Antenna Ordering and Installation Guide

700 MHz - 2700 MHz
Wide Band Directional Antenna (Yagi/Log-Periodic)

Part # 170588-000

For Products:
COR IBR600E, COR IBR650E, COR IBR600LE, COR IBR650W, COR IBR600P, COR IBR650P, COR IBR600LP, ARC MBR1400E, ARC MBR1400LE, ARC MBR1400W, ARC CBA750E, ARC CBA750LE, ARC CBA750W

Features:

- High-gain
- Directional
- Pipe mounting hardware included
- Installs easily
- Weather resistant
- Wide bandwidth
- 50 Ohms
- VSWR: 1.5 Max
- About 8” of cable

cradlepoint.com

Disclaimer: The information provided by CradlePoint is believed to be complete and accurate. However, no responsibility is assumed by CradlePoint, Inc. for any business or personal losses arising from its use, or for any infringements of patents or other rights of third parties that may result from its use.

©2012 CradlePoint Technology. All rights reserved. Information subject to change without notice.

700 MHz - 2700 MHz Wide Band Directional Antenna (Yagi/Log-Periodic)

How It Works

CradlePoint's Wide Band Directional Antenna (Log-Periodic) will collect the cell tower signal and send it through the cable to the integrated or embedded CradlePoint modem and router. When the modem transmits, the signal is transferred directly to the antenna and broadcasted back to the cell tower.

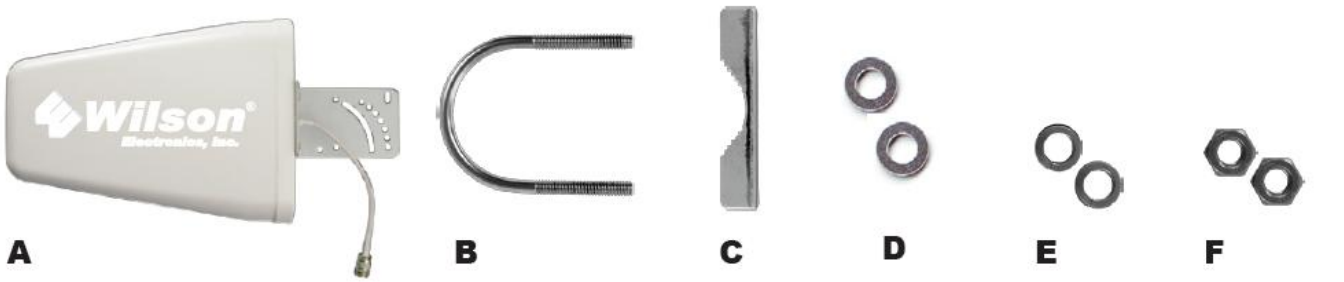
Thank you for purchasing a CradlePoint Antenna

Please read all instructions before installing your antenna, and check the parts supplied against those listed in this guide. CradlePoint's weather resistant, encased antenna is wide band log periodic directional and ideal for many exterior building locations, such as homes, offices, stores and warehouses.

The innovative design results in high efficiency and low signal loss, which means more signal to your router's modem. This multi-band, high-performance, directional antenna supports multiple frequencies (Specifications below). It is backed by CradlePoint's 30-day money-back guarantee and 1-year limited warranty.

Package Contents

(A) Wide Band Log Periodic Directional Antenna & L Bracket
(B) 2 - U-Bolts
(C) 2 - Pipe Brackets
(D) 4 - 1/4" Washers
(E) 4 - 1/4" Split-Lock Washers
(F) 4 - 1/4"-20 nuts.



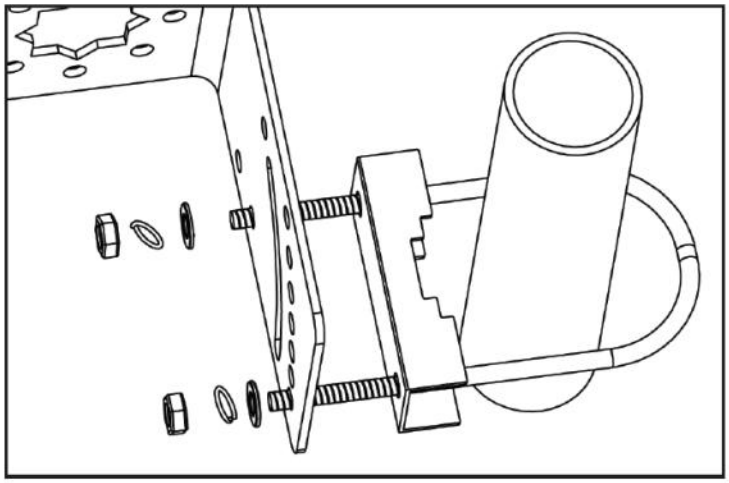
Antenna Mounting Instructions

1 – Install U-Bolt **(B)** on pole.
2 – Slide Pipe Clamp **(C)** over U-Bolt **(B)** Flat side away from pipe.
3 – Slide antenna bracket **(A)** onto U-Bolt **(B)** in desired location.

> ***Note:*** *Antenna may be installed on a variety of pipe angles, insure antenna is pointing at cell tower and is vertical with the drip hole at the bottom.*

4 – Install Flat washer **(D)**, split lock washer **(E)** and nut **(F)**, tighten as appropriate.

> ***Note:*** *A second U-Bolt assembly has been included to strengthen antenna mounting in windy areas repeat steps 1 thru 4 to install.*



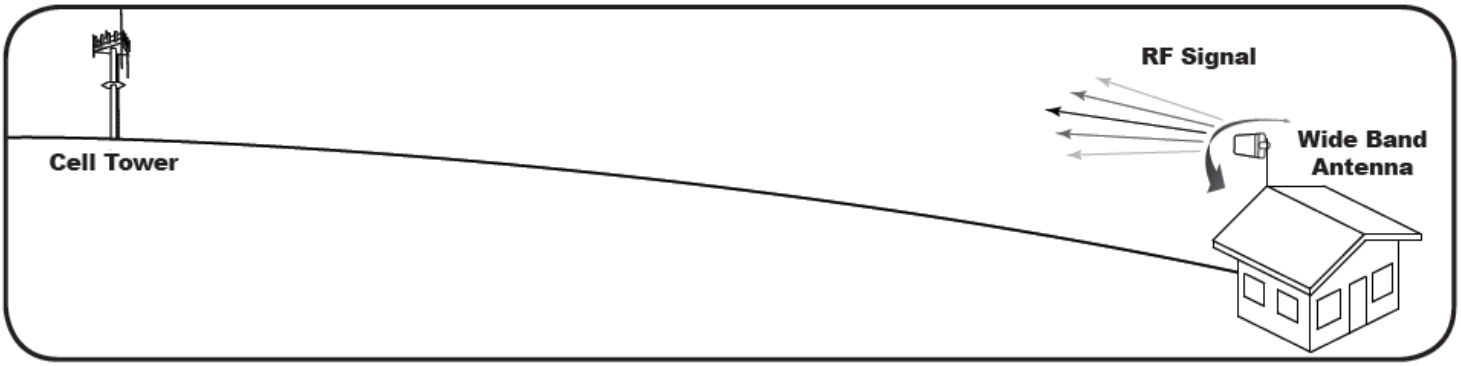
cradlepoint

Ninety day limited hardware warranty only available in the US and Canada. Product specifications are subject to change without notice. © 2012 CradlePoint, Inc. All rights reserved. CradlePoint, WiPipe™, and the WiPipe logo are trademarks of CradlePoint, Inc. in the US and other countries. Other trademarks are the property of their respective owners.

Antenna Installation

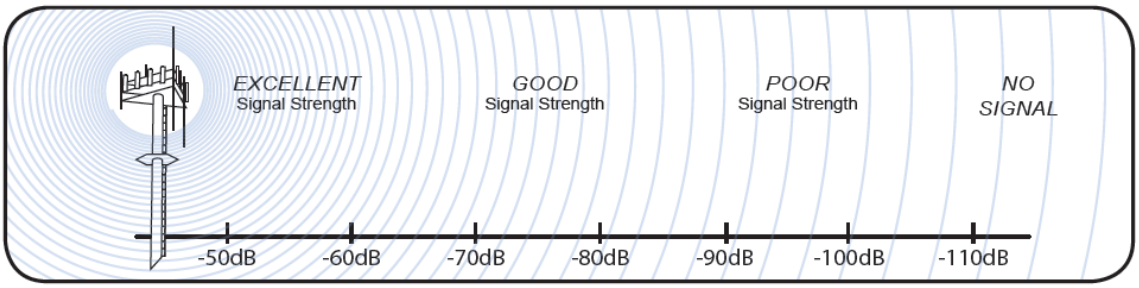
The antenna should be mounted as shown in the illustration above. The included mounting bracket is adjustable and will accommodate pipe diameters from 1.25" to 2" (pipe not included). Mount the antenna so that there is at least 3 feet of clearance in all directions around it. Position the antenna so that it has the most unobstructed line of sight to the cellular service provider's strongest signal. There is a compromise between installing the antenna as high as possible and keeping the cable run short to reduce signal loss. (The longer your cable, the greater the signal loss will be.) For cable runs of less than 20 feet (recommended), CradlePoint recommends JefaTech LL400 cable with N Male, SMA Male connectors (Not sold by CradlePoint). CradlePoint has tested 20 and 50 foot cables from JefaTech and suggests using this configuration. **FINGER TIGHT ONLY.** Using less expensive (often higher loss) cables or using extra adapters with other cables may result in significantly reduced performance. When two antennas are used, there must be at least 1' (12 inches) separation between edges of two antennas. This spacing will provide enough spatial diversity in outdoor environment for MIMO/diversity operation. Both antennas should focus the main beam in the same direction of strong cellular signal.

Warning: Lightning protection is recommended for all installations (Not sold by CradlePoint. JefaTech offers one. http://www.jefatech.com/category/cradlepoint . ***Wilson Electronics offers one compatible with this device: Wilson Part# 859988. Take extreme care to ensure that neither you nor the antenna comes near any electric power lines.***



Adjusting the Antenna for Maximum Performance

To adjust the antenna for best performance, connect it to your router and log in to the router (http://192.168.0.1) and access the modem signal strength page. Turn the Antenna in 10-degree increments while checking the signal level (dBi). At each point you may need to wait a few seconds as the display updates. S*ignal readings appear as a negative number (for example, -86). The larger the number, the more powerful the signal (-75 is stronger than -84).* Once you have obtained the strongest signal, fully tighten the mounting hardware. Disconnect the cable and route the extension cable to the router location and reconnect. Weatherproof all connections.



Technical Support

Visit knowledgebase.cradlepoint.com

cradlepoint

Ninety day limited hardware warranty only available in the US and Canada. Product specifications are subject to change without notice. © 2012 CradlePoint, Inc. All rights reserved. CradlePoint, WiPipe™, and the WiPipe logo are trademarks of CradlePoint, Inc. in the US and other countries. Other trademarks are the property of their respective owners.

700 MHz - 2700 MHz Wide Band Directional Antenna (Yagi/Log-Periodic)

30-Day Money-Back Guarantee

All CradlePoint products are protected by CradlePoint's 30-day money-back guarantee. If for any reason the performance of any product is not acceptable, simply return the product directly to the reseller with a dated proof of purchase.

90-Day Warranty

CradlePoint antennas are warranted for ninety (90) days against defects in workmanship and/or materials. Warranty cases may be resolved by returning the product directly to the reseller with a dated proof of purchase.

Antennas may also be returned directly to CradlePoint at the consumer's expense, with a dated proof of purchase and a Returned Material Authorization (RMA) number supplied by CradlePoint. CradlePoint shall, at its option, either repair or replace the product. CradlePoint will pay for delivery of the repaired or replaced product back to the original consumer if located within the continental U.S.

This warranty does not apply to any antennas determined by CradlePoint to have been subjected to misuse, abuse, neglect, or mishandling that alters or damages physical or electronic properties.

Antenna Specifications

Part Number: 170589-000

Frequency Range: 700-800 MHz / 800-915 MHz / 915-1710 MHz / 1710-1850 MHz / 1850-1990 MHz / 1990-2700 MHz

Nominal Impedance: 50 ohms

Antenna Gain: 8.0 dBi 700-800 MHz / 8.0 dBi 800-915 MHz / 7.0 dBi 915-1710 MHz / 9.0 dBi 1710-1850 MHz / 10.5 dBi 1850-1990 MHz / 10.0 dBi 1990-2700 MHz

Horizontal Beamwidth: 70 to 90 degrees

Vertical Beamwidth: 85 to 110 degrees

F/B ratio: >20 dB

Polarization: Vertical

Maximum Power: 100 watts

Connector: N-Female (requires cable to connect to CradlePoint router)

Dimension: 11.4" x 8.3" x 2.6"

Weight: 3.3 lbs

Temperature Range: -40 to 158 F (-40 to 70 C)

Rated Wind Velocity: 134 MPH

Lightning protection: DC grounded

cradlepoint

Ninety day limited hardware warranty only available in the US and Canada. Product specifications are subject to change without notice. © 2012 CradlePoint, Inc. All rights reserved. CradlePoint, WiPipe™, and the WiPipe logo are trademarks of CradlePoint, Inc. in the US and other countries. Other trademarks are the property of their respective owners.